



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/829,119

04/20/2004

Stuart A. Fraser

99-1002-C1

6481

63710

7590

06/18/2008

DEAN P. ALDERUCCI

CANTOR FITZGERALD, L.P.

110 EAST 59TH STREET (6TH FLOOR)

NEW YORK, NY 10022

EXAMINER

LOFTUS, ANN E

ART UNIT

PAPER NUMBER

3692

MAIL DATE

DELIVERY MODE

06/18/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/829,119	Applicant(s) FRASER ET AL.	
	Examiner ANN LOFTUS	Art Unit 3692	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 April 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 38,41,45-47,50-54,56-59,62-68 and 71-75 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 38,41,45-47,50-54,56-59,62-68 and 71-75 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>1/8/08, 1/8/08, 5/20/08</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Status of the Claims

1. This action is in response to an amendment filed on 4/21/08. The amendment consists of argument; no claims were amended. Claims 38, 41, 45-47, 50-54, 56-59, 62-68, and 71-75 are pending. Claims 38, 58 and 67 are independent. This application is a divisional of parent 09/553,423 filed 4/19/2000 which had a provisional filed 4/30/99.

Response to Arguments

2. Applicant's arguments filed 4/21/08 have been fully considered but they are not persuasive. However, the examiner has endeavored to better explain the rejection below.

The applicant argues that it is not shown, and there is no evidence, that Menzl teaches "that it is not possible for the bidder to cancel during this time". The applicant argues that Menzl also teaches that some cancellations are possible. This language is not in the claim.

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., "that it is not possible for the bidder to cancel during this time") are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

The applicant argues against the examiner's use of the word "implicit," saying that it violates the requirement for factual findings. The examiner respectfully disagrees. See *In Re Shepard*, 138 USPQ 148 (CCPA 1963) "In considering disclosure of a reference patent, it is pertinent to point out not only specific teachings of the patent but also the reasonable inferences which one skilled in the art would logically draw therefrom." See also *In Re Bozek*, 163 USPQ 545 (CCPA 1969) "Reference disclosure must be evaluated for all that it fairly suggests and not only for what is indicated as preferred." The examiner has used the word "implicit" to explain what the reference would have suggested to a person of ordinary skill in the art at the time of the invention.

Art Unit: 3692

3. The applicant seems to dispute that Wiseman and Menzl teach the claim limitation "make the order available to at least a second participant for at least a predetermined period of time such that the second participant has the ability to trade against the order during at least the predetermined period of time. Wiseman teaches in Fig 5 and col 14 lines 40-45 making the order available to at least a second participant such that the second participant has the ability to trade against the order. Wiseman does not explicitly address making the order available during a specific period of time. Menzl teaches making the orders (tender offers) available (bidders are bound with their offers) for a period of time (evaluation time) in section 5.4.1. It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Wiseman to add making the orders available for a specific period of time in order to ensure that the second participant has an adequate chance to decide and prepare an acceptance.

4. The last part of the claim recites determining that the command to cancel is received after the period of time, and canceling the order, or else determining that the command to cancel was received during the period of time, and not canceling the order.

In col 19 lines 35-55 Wiseman teaches a trading system with a cancel command. Wiseman teaches that a command to cancel will effectively cancel a transaction outside the proposal stage, and that a proposal stage transaction cannot be cancelled unless the proposal is changed. Wiseman col 4 lines 10-15 teaches that changing the proposal is an optional embodiment, thus suggesting a system where transactions in the proposal stage cannot be cancelled, which simplifies matters. Thus Wiseman teaches receiving from the first participant a command to cancel the order, and cancelling the order if it is not in a proposal stage. This would suggest to a person of ordinary skill in the art that after receiving a command to cancel, the system determines whether it is in a proposal stage or not. The system will cancel the order based at least in part on determining that the command to cancel was received outside the proposal stage, and not cancel the order based at least in part on determining that the command to cancel is received during the proposal stage. The proposal stage could represent a period of time by itself, or Wiseman could be modified in view of Menzl teaching a period of time as above.

Art Unit: 3692

The claim language includes the word after; this further specifies that cancellation occurs after the period of time, which is a slightly different arrangement of the features taught by Wiseman. Wiseman teaches a cancel command followed by cancellation and a time when cancellation is not implemented. All of the component features are taught by the art as applied above. The only difference is the claim recites the combination of known features in a specific order – Wiseman teaches a cancellation followed by a proposal stage where cancellation is not implemented, and the claim recites a period without cancellation followed by a period with cancellation. Combining the features in this order would pose no particular challenges to a person of ordinary skill in the art. The features would perform essentially the same function as they do in Wiseman's arrangement. The combination would have predictable results and a reasonable expectation of a successful combination. Thus it would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Wiseman to arrange the features such that the command to cancel is received after the period of time, and the order is cancelled, forming a combination of known elements by known methods to yield predictable results, in order to prevent the first participant from being bound to an outdated deal.

The applicant argues that In Re Karlson does not apply. The point is moot because Wiseman teaches not cancelling an order in col 19 lines 35-55 as above.

5. Official Notice was taken that it is old and well-known to receive on a passive side of a market the order for the item; and in which the trading command comprises at least one of a command to trade all of the passive side of the market, a hit command to trade down to a first price, and a lift command to trade up to a second price. Since Applicant(s) did not seasonably traverse the Official Notice statement(s) as stated in the previous Office Action of 12/13/07, the Official Notice statement(s) are taken to be admitted prior art. See MPEP §2144.03.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

Art Unit: 3692

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 38, 41, 45, 46, 52, 57-59, 64, 67, 68, and 73 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent 5168446 filed 5/23/89 by Wiseman, in view of a market report by Vojtech Menzl dated 7/13/95 from the National Trade Data Bank titled "Czech Republic – Environmental Protection Equipment.

As to claims 38, 58 and 67, Wiseman teaches in Fig 3 an apparatus comprising at least one computing device having control logic associated therewith. Wiseman teaches in claim 1 receiving from a first participant an order for an item. Wiseman teaches in Fig 5 and col 14 lines 40-45 making the order available to at least a second participant such that the second participant has the ability to trade against the order. Wiseman teaches in col 19 lines 35-55 receiving from the first participant a command to cancel the order.

Wiseman does not explicitly address making the order available during at least the predetermined period of time. Menzl teaches in section 5.4.1, a time period during which bidders are bound with their offers. A person of ordinary skill in the art would understand this to mean that if their offer is accepted during this time, they must honor it. It is implicit that accepting the offer to make a deal is possible during this time and that it is not possible for the bidder to cancel during this time. It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Wiseman to add making the order available during at least the predetermined period of time such that the second participant has the ability to trade against the order for at least the period of time in order to ensure that the second participant has an adequate chance to decide and prepare an acceptance. By using a predetermined period of time, all parties will know when a cancel is allowed and can act accordingly.

Wiseman teaches in col 19 lines 35-55 a period of time during which a cancel command is inoperative. In this case, the period of time is from the beginning of the proposal state until the proposal is changed. While the length of the period is not given as a number of time units, the period is still predetermined in that it is specifically planned beforehand and specified as bounded by events, rather

Art Unit: 3692

than a timer. When a period of time is bounded by events, and the terminating event is determined to have occurred, it is implicit that the period is determined to have terminated. Further, as Wiseman teaches that a command to cancel is handled differently during this period, it is implicit to determine whether the command to cancel was received during or after the period in order to handle it correctly. It would have been obvious to a person of ordinary skill in the art at the time of the invention to interpret Wiseman to add determining that the command to cancel is received during or after the predetermined period of time.

Wiseman teaches in col 19 lines 35-55 cancelling an order with a cancel command except during a period of time. Thus Wiseman teaches cancelling the order based at least in part on determining that the command to cancel is received after the predetermined period of time, and not cancelling the order based at least in part on determining that the command to cancel is received during the predetermined period of time.

The examiner wishes to note that not canceling an order is elimination of a function. Elimination of an element or its functions is deemed to be obvious in light of prior art teachings of at least the recited element or its functions (see *In re Karlson*, 136 USPQ 184, 186; 311 F2d 581 (CCPA 1963)).

As to claim 41 and 57, Wiseman teaches the item traded is currency or a first and second type of currency (currency pairs) in col 8 lines 60-70.

As to claims 45, 59 and 68, Wiseman teaches (col 19 lines 35-55) receiving from the second participant the trading command; and receiving the command to cancel prior to receiving the trading command.

As to claim 46, Wiseman teaches in col 3 lines 23-55 a quote that can be to buy or sell. In the abstract, Wiseman teaches a proposal following the quote that inherently could be either to buy or sell. Thus Wiseman teaches an order comprised of at least one of a bid, and an offer; and in which the trading command comprises at least one of: a hit of the bid, and a lift of the offer.

Art Unit: 3692

As to claim 52, 64 and 73, Wiseman teaches a second order for a second item in col 23 lines 20-35. Thus Wiseman teaches receiving a second order for a second item; and determining a second period of time.

8. Claims 50-51, 53-54, 56, 62-63, 65, 66, 71-72, 74 and 75 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wiseman and Menzl in view of US patent No. 5347452 filed 7/12/91 by Bay. Bay discusses the timing of trading operations, and would be relevant to the problem of how to determine a period of time within a trading operation.

As to claim 50, 51, 53, 56, 62, 63, 65, 71, 72 and 74 Wiseman does not explicitly teach determining a period of time based on an item, a type of item or a parameter. Bay teaches in col 2 lines 1-20 a period of time based on the item, and based on a parameter. Since a period of time based on an item is not based on an individual item (in a commodities trade) it must be based on characteristics of the item, and thus the period would be the same for items that shared those characteristics. A period of time based on a type of item is inherent in Bay. It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Wiseman to include determining a period of time based on the item, a type of item or a parameter in order to reflect the nature of each market. Wiseman teaches a second order for a second item in col 23 lines 20-35.

As to claim 54, 66 and 75, Wiseman teaches a period of time between the beginning of a proposal state and a change in a proposal. It would have been obvious to a person of ordinary skill in the art at the time of the invention that this period would implicitly vary. Thus Wiseman teaches a period of time for the item is different from the second period of time for the second item.

9. Claim 47 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wiseman and Menzl in view of Official Notice.

As to claim 47, Official notice is taken that it is old and well-known to receive on a passive side of a market the order for the item; and in which the trading command comprises at least one of a command to trade all of the passive side of the market, a hit command to trade down to a first price, and a lift

Art Unit: 3692

command to trade up to a second price. The Official Notice is supported by Wiseman in col 3 line 55 to col 4 line 10 teaching trading negotiations that would include a hit command to trade down to a first price and a lift command to trade up to a second price, and by US Patent 5905974 filed 12/13/96 by Fraser et al. Fraser teaches in col 12 lines 30-50.

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Wiseman to add to receive on a passive side of a market the order for the item; and in which the trading command comprises at least one of a command to trade all of the passive side of the market, a hit command to trade down to a first price, and a lift command to trade up to a second price in order to support a variety of trades and draw more trading customers.

Conclusion

10. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

11. While portions of interest have been indicated, all references should be considered for the entirety of their teachings. The examiner notes that the submitted Money Match technical specification, in section 2.7 Cancelling an Order, teaches an order cancel request is denied.

Art Unit: 3692

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ann Loftus whose telephone number is 571-272-7342. The examiner can normally be reached on M-F 8-4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kambiz Abdi can be reached on 571-272-6702. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AL

/Kambiz Abdi/
Supervisory Patent Examiner,
Art Unit 3692